

Title: Material on the basis of collagen fibers for covering wounds

Abstract:

Source: US5520925A PCT No. PCT/EP93/02239 Sec. 371 Date Oct. 24, 1994 Sec. 102(e) Date Oct. 24, 1994 PCT Filed Aug. 20, 1993 PCT Pub. No. WO94/04201 PCT Pub. Date Mar. 3, 1994. A foil-shaped wound covering material based on collagen fibers, its laminates, and a process for preparing the same are disclosed. The wound covering material essentially consists of insoluble, partially modified collagen characterized by the following parameters: 0.18 to 0.40 mmol/g amidated nitrogen; less than 5 mu mol/g glucosamine and less than 5 mu mol/g galactosamine; shrinking temperature from 45 DEG to 60 DEG C.; isoelectric point from 4.3 to 60.0.

International class (IPC 8-0): A61F13/06 A61F13/10 A61L15/16 A61L15/32 A61L15/64 A61L31/00 A61L31/04 C08H1/06 (Advanced invention);

A61F13/06 A61F13/10 A61L15/16 A61L15/32 A61L15/64 A61L31/00 A61L31/04 C08H1/06 (Core/Invention)

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European class: A61F13/06D A61F13/10H A61L15/32A A61L15/64 A61L31/04F2 C08H1/06

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Family:

Publication number	Publication date	Application number	Application date
<u>AT179895 E</u>	19990515	AT19930919123T	19930820
<u>AT238077 E</u>	20030515	AT19950100284T	19950111
<u>DE4227681 A1</u>	19940224	DE19924227681	19920821
<u>DE4227681 C2</u>	19950518	DE19924227681	19920821
<u>DE4405130 A1</u>	19950824	DE19944405130	19940219
<u>DE4405130 C2</u>	19990708	DE19944405130	19940219
<u>DE59510653 D1</u>	20030528	DE19955010653	19950111
<u>EP0612252 A1</u>	19940831	EP19930919123	19930820
<u>EP0612252 B1</u>	19990512	EP19930919123	19930820
<u>EP0668079 A1</u>	19950823	EP19950100284	19950111
<u>EP0668079 B1</u>	20030423	EP19950100284	19950111
<u>ES2133407 T3</u>	19990916	ES19930919123T	19930820
<u>JP7501004 T2</u>	19950202	JP19930505913T	19930820
<u>US5520925 A</u>	19960528	US19940211867	19941024
<u>US6022557 A</u>	20000208	US19970946344	19971010
<u>WO9404201 A1</u>	19940303	WO1993EP02239	19930820

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US19940211867 19941024 DE19944405130 19940219 DE19955010653 19950111
US19970946344 19971010

Cited documents: US5028695, EP0331786, GB2079797, DE3203957, US4925924, DE2943520,
US3800792, DE2734503, DE4227681, DE2730623, DE4028622,

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